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The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

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REMINDER!

Time is running out for registering for Energy 2002! Go to www.eren.doe.gov/femp for all the information and materials you need for the June 2-5 conference in Palm Springs, California.

WHAT'S NEW ON THE FEMP WEBPAGE

The ALERT Program (Assessment of Load and Energy Reduction Techniques) pages have been updated with more information. See www.eren.doe.gov/femp/techassist/alert.html.

The ALERT teams help Federal agencies quickly improve energy efficiency practices at their facilities.

You can also link to the alert pages from the SAVEnergy pages at <http://erendev.nrel.gov/femp/techassist/savenergyprog.html>.

Regulations and Legislative Activities

Information on and links to various laws, regulations, and executive orders related to Federal energy management, including an example of an energy plan report. Check out President Bush's directive on conserving energy and more. This new section allows easier access to FEMP legislation. www.eren.doe.gov/femp/resources/legislation.html.

EIA AND OTHER PREDICTIONS

Short Term Energy Outlook, Energy Information Administration (EIA), May 2002.

World oil prices continued to rise in April, with OPEC Basket and Brent prices gaining an average of \$2 per barrel from March levels. West Texas Intermediate prices averaged over \$26 per barrel of crude oil and closed over \$27 per barrel by the end of April.

Average gasoline prices may rise an additional 8-10 cents per gallon by June from the April average price of \$1.40 per gallon, avoiding major

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress has recessed for the week of May 28 and will return the week of June 3. Refer to [Attachment A](#) for a list of upcoming activities of interest.

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STATUS OF PENDING APPROPRIATIONS AND AUTHORIZATION BILLS OF INTEREST TO FEMP

Appropriations

FY 2002 Supplemental Appropriations On May 24, the House approved *H.R. 4775 - 2002 Supplemental Appropriations Act for Further Recovery From and Response To Terrorist Attacks on the United States*, a \$29.4 billion emergency supplemental bill to fund increased national security for Federal facilities and the Nation's transportation infrastructure, restoration of the New York site of the September terrorist attack, and national defense. The Senate version, totaling \$31 billion, has stalled in the chamber and is expected to receive priority when Congress returns on June 3.

FY 2003 Budget Resolution Last week, Rep. Jim Nussle (R/IA), Chairman of the House Committee on the Budget, took steps to move the FY 2003 Budget Resolution process forward. Noting that the Senate has yet to approve their version while the House produced its budget (*H Con. Res. 353*) on March 21, Chairman Nussle announced that the House has taken steps to move forward on a budget framework for FY 2003. He said, "The so-called 'deeming' language deems the House-passed budget as binding on the House until there is a budget resolution conference report." (The language was attached to *H.R. 4775*, the FY 2002 Emergency Supplemental Appropriations bill, which passed the House last week). In addition, Chairman Nussle said, "We cannot wait for the Senate to lead. The Senate has chosen to be irrelevant through its inaction. The House is moving ahead to address the priorities we outlined in our budget."

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supply disruptions and assuming rising crude oil prices. The summer average will likely hover around \$1.44 per gallon, about 10 cents per gallon below last summer's average.

This summer, total electricity demand is expected to be level with last summer's demand. Hydropower generation is expected to rise by 22 percent in 2002 from last year's historic lows, assuming the Pacific Northwest receives normal precipitation. Normal nuclear power operations appear likely for the summer; nuclear generation may increase about 0.6-0.7 percent in 2002 and 2003.

2002 Summer Assessment: Reliability of the Bulk Electricity Supply in North America, North American Electric Reliability Council (NERC), May 2002.

NERC predicts that American electric generating resources will be adequate to supply demand this summer, partly due to significant amounts of new generating resources added in several regions since last summer. The power will get where it needs to go, as North American transmission systems should perform reliably this summer.

Oil Market Report, International Energy Agency (IEA), May 2002.

World oil output retreated two percent in April due in large part to an Iraqi supply suspension, which dropped OPEC's production to its lowest level in nearly a decade. The loss is expected to create tighter oil markets as demand increases throughout the summer, likely increasing U.S. gas prices.

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UTILITY SUPPORT SERVICE SOLICITATION

In May, the Department of Energy issued a solicitation (DE-RP01-02EE74065) to acquire utility services for agency facilities. The selected contractor will also focus on the purchase and use of electric energy in order to mitigate the increasing cost of services. The contractor will

Authorization

Comprehensive Energy Legislation Last week, Senator Jeff Bingaman (D/NM), made a speech on the Senate floor regarding pending conference negotiations between the House and Senate over energy legislation. In his remarks, Senator Bingaman urged members to move forward in scheduling negotiations and noted that the Senate completed work on its bill (S. 517) a month earlier (the House passed their version, H.R. 4 in August 2001). He noted that the House has yet to name conferees and suggested that it is the Senate's turn to chair an energy conference committee (the last conferenced energy bill was chaired seven years ago by the House). Once House conferees are selected (Senate conferees were announced on May 1), Senator Bingaman said the two chambers should take the following steps: establish conference organization and ground rules, arrange for appropriate House and Senate staff meetings to prepare a mutually agreeable side-by-side presentation of the two bills, and determine whether sub-conferences will be created including the number of sub-groups and scope of the areas for discussion. Senator Bingaman, the Chairman of the Committee on Energy and Natural Resources, would chair the conference committee if it is decided that the Senate will lead negotiations.

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment B](#) – New Legislation of Interest to FEMP

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HEARINGS OF INTEREST TO FEMP

- See [Attachment A](#) – Hearings of Interest to FEMP

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assist the agency in its participation in utility rate proceedings and determine proper service at specific locations to achieve the least-cost energy at Federal sites. This is a small business set-aside solicitation. For more information, consult with Jacqueline Kniskern at 202-28-1476.

FEDERAL AGENCY ACTIVITIES

FEDERAL ENERGY REGULATORY COMMISSION

Energy Trading The Federal Energy Regulatory Commission (FERC) has issued a requirement that by May 31, 2002, 150 energy firms must disclose if they executed “round-trip” energy trades, a practice used to falsely inflate market revenue and attract more buyers. The practice involves energy companies simultaneously buying and selling wholesale electricity. Energy firms CMS Energy Corporation and Reliant Resources Inc. have acknowledged using the strategy. (Source: *Reuters*, May 21, 2002)

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DEPARTMENT OF ENERGY

National Energy Policy (NEP) On May 27, Secretary of Energy Spencer Abraham, along with Secretary of Interior Gale Norton and Administrator of the Environmental Protection Agency Christine Whitman, participated in an event to celebrate the accomplishments of the first year of the President’s National Energy Policy. Secretary Abraham said that:

The Administration has made remarkable progress in a short twelve months toward implementing a comprehensive and balanced energy policy that is both practical and visionary. President Bush addressed this need by promoting a long-term National Energy Policy with specific, action-oriented recommendations that will promote reliable, affordable and environmentally sound energy for today and the future.

Secretary Abraham highlighted the Administration’s NEP accomplishments to date including:

- Completion of a comprehensive review of existing energy efficiency and renewable energy programs and a request for \$1.2 billion to support the programs
- Expansion of programs such as EnergyStar®
- Implementation of a plan to increase the use of combined heat and power generating facilities
- Improvement in the funding level for research and development of cutting-edge technologies

To view the National Energy Plan, visit the DOE web site at www.energy.gov.

Electric Power Market Research DOE has announced the selection of Frost & Sullivan under a sole-source selection to **perform electric power research to support preparation of the Annual Energy Outlook 2003**. The purpose of the study, which is being conducted for DOE’s Energy Information Administration, will expand on research currently being performed to examine structural changes in the electricity market. Research will be performed to determine how structural changes are affecting electricity cost and demand structure and end-use prices. In addition, researchers will study the ability of

consumers, by customer class, to reduce or abandon dependence on the electric utility grid in competitive and regulated regions. New types of electricity service products will also be examined, including:

- Green energy
- Total energy management
- Real-time pricing
- Electricity bundling with other utility services
- Internet billing, metering, and energy management
- Technology developments that may impact the cost structure for electricity providers
- U.S. outlook for self-generation and distributed generation

For more information, contact Linda Simpson at 202-287-1526 and refer to Solicitation Number DE-RP01-02E137506.

Appliance Final Rule On May 23, the Department announced a final rule for energy efficiency standards for central air conditioners and heat pumps. The rule raises efficiency levels by 20 percent for most units as well as somewhat lower levels for selected space-constrained products. This notice also withdraws a January 21, 2001, rule for higher standards for these products. To review the rule, refer to the *Federal Register* notice, page 36368.

On April 29, 2002, the Buildings for the 21st Century lecture series, sponsored by DOE and the National Building Museum, featured Osram Sylvania's Dr. Makarand Chipalkatti, who gave a lecture entitled, "Solid State Lighting: A New Era in Illumination." Dr. Chipalkatti discussed the promise of Light Emitting Diodes (LED) technology for various applications, from office buildings to lighted signs to cultural landmarks such as the Jefferson Memorial. Some of the benefits of LEDs include energy efficiency, durability, long life, compactness, and versatility. Mr. Chipalkatti commended DOE's commitment to accelerating the development of solid state lighting, and displayed his optimism that industry, academia, and government will continue to work together to further develop and implement these technologies.

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ATLANTA REGION

Utility/DSM Activities

The Department of Veterans' Affairs is seeking a supplier of natural gas for the Central Arkansas Veterans' Healthcare System in Little Rock, Arkansas. In a May 23, 2002, announcement, the agency noted an "urgent requirement" for these services. VA intends to award a one-year contract with four option years on May 31, 2002. For more information, contact David Miller at 501-257-1026 and refer to Solicitation Number 598-76-02.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

Utility/DSM Activities

On May 22, DOE's Oakland Operations Office announced plans to solicit proposals for the acquisition and management of utility services to support three national laboratories in Northern California: Lawrence Livermore, Lawrence Berkeley, and the Stanford Linear Accelerator Center. Services will be required for electricity, natural gas, potable water, and sanitary sewage. For additional information, contact Stephen Law at 510-637-1906 and refer to Solicitation Number DE-RP03-02SF22557.

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Solar and Renewable Energy Projects

DOE announced, on April 29, the award of a cooperative agreement to construct and demonstrate new geothermal technology at the China Lake Naval Air Weapons Station in California. Under the agreement, the Department will contribute \$4.5 million during the next five years. Caithness Energy, LLC, of New York and the University of Utah's Energy and Geosciences Institute will provide \$12 million to support the project. In announcing the agreement, Secretary Abraham said, "Developing and demonstrating this enhanced geothermal system technology advanced the President's National Energy Plan goals of deploying next generation technology and increasing renewable energy production on Federal lands. The new system is expected to add about 15 megawatts of electrical capacity – enough to power 11,250 homes." (Source: DOE Press Release, April 29, 2002)

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STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

► *Status of Utility-Related Activities*

The City of Myrtle Beach, South Carolina, has enlisted in Santee Cooper's GreenPower program and agreed to purchase 372,000 kWh of green power for an extra cost of 2.9 cents per kWh. The green power is in the form of methane that is produced from a local landfill facility. (Source: *Green Power Network*, May 2002)

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BOSTON REGION

► *Status of Utility-Related Activities*

►

As of April 25, electric utilities in the State of New Hampshire may offer renewable energy options to their customers as part of their restructured transition services. These options may include providing energy efficiency programs partly funded through New Hampshire's system benefits charge. (Source: *Energy Central.com*)

Clean Air-Cool Planet and Green Mountain Power have together launched two new programs designed to reduce greenhouse gas emissions and boost renewable energy resources. Participants in the *CoolHome* program pay a one-time donation of \$60 to be used to offset six tons of carbon dioxide emissions. The *CoolBusiness* program instructs businesses on how to assess their carbon dioxide consumption and how to offset the diffusion. Monies earned from the two programs will help purchase a new wind turbine and Vermont farm methane system. Stephen Terry, Senior Vice President of Green Mountain Power, said "We also hope that other electric utilities will consider this new voluntary program as they develop ways customers can fight global warming." The *CoolHome* program will also assist in the construction costs of the Rosebud Sioux Tribe Wind Turbine Project in South Dakota. (Source: *Environmental News Service*, May 7, 2002)

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CHICAGO REGION

► *General State Activities*

The City of Chicago has contracted with Spire Corporation to open the Chicago Center for Green Technology (CCGT). The center, which will house the Spire Corporation and over 35 kW of roof and window photovoltaic modules, will highlight the environmental and economic reclamation of a brownfield in Chicago. The City of Chicago, ComEd, and Spire Corporation have completed agreements extending the partnership for continuing development of solar photovoltaic and system installations. (Source: *Business Wire*, May 6, 2002)

Michigan Governor John Engler (R) has proposed an economic development plan that supports the establishment of a 700-acre tax-free zone near Ann Arbor designed to draw alternative energy companies to the area. The NextEnergy plan would exempt companies that contribute to the development, research and manufacture of alternative fuel technologies from sales, business, property, and use taxes. The plan will also provide venture capital funds to companies interested in developing alternative energy projects. (Source: *Tax News Update*, April 30, 2002)

► *Status of Utility-Related Activities*

On May 2, the Illinois House of Representatives passed a bill extending the electricity rate freeze through 2007. While the bill provides more time for utilities to prepare for an open market, it may also unfairly benefit utilities over consumers. The Illinois Commerce Commission presented a study to House legislators predicting that the freeze could keep rates artificially high during a time when wholesale prices are moderately low. Legislative provisions assure that any excess utility earnings would be redistributed to consumers. The bill is now under consideration in the Senate.

The Illinois Commerce Commission may conduct a study on the value of aggregating customers to determine how to most effectively negotiate electricity rates with local utilities. The analysis, which will be submitted to the Illinois legislature by January 15, 2003, will include potential costs, benefits, and barriers to municipal and other forms of aggregation. Implementation is contingent on legislative approval. (Sources: *Chicago Tribune*, May 3, 2002; *Chicago Sun-Times*, May 6, 2002; *News-Gazette*, May 8, 2002)

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DENVER REGION

► *Status of Utility-Related Activities*

Two major energy bills are passing through separate chambers of the Colorado legislature. The Senate Committee on Public Policy and Planning Legislation is considering legislation that requires utilities to provide net metering for customers that receive electricity generated from solar, biomass, wind, or hydropower. The House Committee on Appropriations is considering legislation that requires the Public Utilities Commission to mandate an electric resource standard for renewable energy. The bill requires that power generators produce or acquire a certain percentage of wholesale power that is derived from renewable energy sources. The requirement is two percent in 2004 and incrementally increases two percent each year to reach 10 percent by 2010. (Sources: *Denver Rocky Mountain News*, May 2, 2002)

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PHILADELPHIA REGION

► *Status of Utility-Related Activities*

New Jersey Governor James McGreevey (D) and Green Mountain Energy Company have partnered to provide 196 state-operated facilities with renewable electric service, constituting 12 percent of the total amount of electricity purchased by the state. The facilities receive electricity produced from wind, water, biomass, and solar generation packaged in the form of “Enviro Blend.” The contract, which runs through June 2003, will provide the state with 113 million kilowatt hours of electricity generated from renewable sources. New Jersey customers can sign up for the Enviro Blend by accessing www.njenergychoice.com. The State of Pennsylvania has also contracted with Green Mountain Energy Company to receive over 13,500 megawatts of renewable power through the utility.

The Maryland State Legislature is now requiring that utilities conduct a study to track generation and emissions to determine if emissions levels have increased after the state restructured its electric market. The state and the Public Service Commission will confer about whether or not to assess an air quality surcharge if the report indicates that emissions levels have indeed increased. Study findings will be submitted to the Department of the Environment by December 31, 2003, and will be updated and resubmitted by December 31, 2005. (Source: *EnergyCentral.com*)

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SEATTLE REGION

► *General State Activities*

The Hawaii State Legislature recently dropped pursuit of passing a bill that would have provided a 35 percent tax credit for solar, thermal, photovoltaic, or wind-powered alternative energy systems. The legislation also provided for an Energy-Efficiency Policy Review Commission to convene in 2010 and every seven years thereafter. (Source: Tax Analysts, *State Tax Notes*, May 7, 2002)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

Xcel Energy was recognized by Edison Electric Institute as one of the country's best utilities for offering multi-site services. Programs offered by the utility include:

- *ResourceWise* – Keeps production running during times when local utilities are curtailing use
- *SiteWise* – Provides analysis of energy use to help lower energy bills and improve reliability
- *InfoWise* – Measures and monitors facility energy use to help identify cost-saving opportunities and improve facility management
- *PayWise* – Simplifies the accounting process by examining alternative bill-payment options
- *OperationWise* – Provides flexible, reduced-rate energy-control programs
- *Global Alliances* – Provides a network of Xcel Energy businesses to bring together comprehensive resources available in energy products and energy management, high-speed telecommunications, wholesale natural gas, power generation, and alternative energy development.

(Source: *PR Newswire*, May 1, 2002)

Caterpillar Inc. and FuelCell Energy have partnered to integrate ultra-low emission Direct FuelCell power with Caterpillar's distributed generation power products in North America. The alliance will incorporate Caterpillar's expertise in systems packaging, electronics, gas turbine engines, and power conditioning with FuelCell Energy's fuel cell module. (Source: *PR Newswire*, April 30, 2002)

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ATLANTA REGION

► *Public Benefits Programs*

GoodCents Solutions[®], a company assisting in energy management solutions for homes and small businesses, has expanded its membership program to offer a variety of templates for research and forecasting, marketing communications, and field implementation for its member utilities. The GoodCents Network offers utilities over 20 programs facilitating Energy Efficiency, Surge Protection, and Price Responsive programs. The programs have been utilized in over 30 states by more than 300 utilities. (Source: *BusinessWire*, May 3, 2002)

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BOSTON REGION

► *Public Benefits Programs*

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CHICAGO REGION

► *General*

Ohio's competitive electric market has warranted Green Mountain Energy to build a solar array at Lake Farmpark in Kirtland, Ohio, a community 25 miles east of Cleveland. Customers of the Northeast Ohio Public Energy Council (NOPEC) will contribute to the 25 kilowatt installation that, built at ground level rather than on a rooftop, will serve as a "wonderful teaching tool that will help Farmpark visitors see how electricity is made and understand the benefits of pollution-free, solar electricity" according to Lake Farmpark Administrator Andrew Baker. The installation will avert 35 tons of carbon dioxide emissions via 260 solar panels measuring 106 feet by 46 feet. BP Solar designed and installed the facility. (Source: *PR Newswire*, May 2, 2002)

► *Public Benefits Programs*

To determine whether distributed generation and power grids can work in conjunction, DTE Energy Technologies, Inc. has installed two fuel cells at a Detroit Edison power station in Commerce Township, Michigan. The fuel cells will each produce 2.5 kilowatts of power to support battery systems providing backup power to the five natural gas-fired turbine peaker units. The project will assess how fuel cells can improve reliability of battery systems at power stations, and to determine if fuel cells might eventually replace these backup battery systems. Ron May, DTE Energy Senior vice president of Energy Distribution said "If we're successful, fuel cells could provide an improvement over today's more maintenance- and labor-intensive approach with battery systems." (Source: *PR Newswire*, April 30, 2002)

Clipper Windpower, Inc. will provide Alliant Energy Interstate Power and Light with 150,000 MWh of wind energy. The agreement is part of the Power Iowa program established by the utility. Expected to go online by 2003, the 29 wind turbines are located near Spirit Lake, Iowa. Interstate Power and Light may send out another request for proposal for additional renewable energy. President Eliot Protsch is even considering expanding the program: "It became apparent when we were reviewing bids for our Request for Proposal that we should consider purchasing an additional 150,000 MWh of wind energy... Right now, the prices are low and it's a good time to purchase wind energy for our customers." (Source: *PR Newswire*, May 6, 2002)

Kansas City Power and Light will expand its internet-based intelligent substation monitoring system to four more substations in the Kansas City metropolitan area. The Esubstation.com installation provides information that helps prevent maintenance problems. Each substation includes Cannon Substation Advisor[®] sensors, which monitor power transformers, circuit breakers, and transmission and distribution feeders and will send an alarm to utility personnel in case of downtime. The system sends real-time information to a website accessible by energy users. (Source: *PR Newswire*, May 2, 2002)

Electric customers in Wisconsin Public Service Corporation's territory can now purchase 100 kWh blocks of green power for \$2.65. Power will be derived from wind, landfill methane, and dairy farm methane. With regulatory approval, Wisconsin Public Service will begin selling the renewable option to its Michigan customers. (Source: *Green Power Network*, May 2002)

The Iowa Association of Municipal Utilities (IAMU), an organization formed to jointly finance new base-load generation, has launched the Iowa Energy Project, an initiative designed to enhance the renewable and energy efficiency programs of member utilities. Studies revealed that while natural gas generation is the ideal resource for intermediate needs, wind generation, at three cents per kWh, is the lowest cost resource for utilities. The resulting financial savings could spur Iowa Energy Project developers to step up the construction of wind farms or augment the purchase of wholesale wind from private wind energy developers. Bob Haug, director of IAMU, said “In eight or ten years from now, we could determine that all our new generation would be wind if we have a storage system to make it into a firm resource.” He also expressed support for energy efficiency: “IAMU recommends that its member utilities spend at least 2-3 percent of their gross revenues on energy-efficiency programs.” (Source: *Public Power*, May-June, 2002)

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DENVER REGION

► *General*

Reliant Energy Retail Services has filed for a natural gas rate increase with the Texas Public Utility Commission. If granted, the new price of 9.12 cents per kWh would go into effect on June 17, 2002. The Texas Electric Choice Act permits electric retail providers to adjust their rates twice a year. To insulate low income customers from high electric bills, balanced billing will be available to even out monthly payments, and participants in a program called LITE UP Texas may receive discounted rates. (Source: *PR Newswire*, May 3, 2002)

► *Public Benefits Programs*

The Desert Sky Wind Farm was dedicated in West Texas by Texas Governor Rick Perry, David Garman, Assistant Secretary of the Office of Energy Efficiency and Renewable Energy, and representatives from American Electric Power and City Public Service. The 107 turbines collectively produce 160.5 megawatts of power. E. Linn Draper, president, CEO, and chairman of AEP said of the wind farm: “Desert Sky demonstrates the new level of maturity the U.S. wind power industry is achieving, and just how important it is that we continue to encourage development of all of the renewable energy sources. Wind power will not replace the traditional power plant, but it is definitely being counted on for an essential contribution to our nation’s energy use.” For more information on the wind farm, visit www.desertskywind.com.

Green Mountain Energy Company and Nuon Renewable Ventures LLC teamed up to install a 58 kW solar array on the rooftop of a school in Dallas, Texas. The installation, which will prevent the emission of 68 tons of carbon dioxide, was funded through contributions to the Big Texas Sun Club™ program. In addition to the Winston School project, the two companies are partnering on a 43 kW solar facility in Houston, Texas. Matt Cheney, Chief Operating Officer at Nuon said “As a company dedicated to improving the environment and investing in sustainable energy technologies, Nuon is proud to participate in a project that provides clean energy and educates students and the public at large... We feel that there is a bright future for projects like these in the State of Texas.”

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PHILADELPHIA REGION

► *No news of interest to FEMP.*

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SEATTLE REGION

► *Public Benefits Programs*

A partnership between the Northwest Renewable Energy Cooperative (NWREC) and the Bonneville Environmental Foundation (BEF) will expand the number of photovoltaic installations in Washington and Oregon. The NWREC will purchase blocks of solar power for 10 cents per kW, sell the power to BEF, which will in turn sell the commodity to its wholesale and retail customers. (Source: *Green Power Network*, May 2002)

The Bonneville Environmental Foundation has entered into a contract with Our Wind Co-op for the development of farm-scale wind turbines. BEF will provide one third of the cost of the turbines up front and will sell “Green Co-op Tags” to recoup its expense. Ten 10 kW turbines will be installed. (Source: *Green Power Network*, May 2002)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

The Federal Government has awarded a contract to acquire 1.5 million gallons of B20 fuel for the Federal fleet; the fuel will be available at 17 sites throughout the U.S. B20 is a blend of 20 percent biodiesel and 80 percent petroleum diesel. Agencies opting to purchase this fuel will receive alternative fuel credits as established by the *Energy Policy Act of 1992*. Federal agencies can purchase the fuel through an existing Defense Energy Support Center contract; the fuel is being provided by World Energy Alternatives of Cambridge, Massachusetts. Agencies planning to purchase the fuel include the Departments of Defense and Agriculture, the National Park Service, the National Aeronautics and Space Administration, and the U.S. Postal Service. The purchase of B20 is the single largest alternative fuel acquisition of the Federal Government to date. (Source: *Alternative Fuel News*, Vol. 5 – N. 4).

The Energy Information Administration (EIA) recently released data revealing that the number of domestic natural-gas-powered vehicles has increased by a total of 61 percent (based on vehicle production results and purchase projections) from 1997 to 2001. The agency estimates indicate that in 2001 alone, there were 111,769 natural-gas-powered vehicles based on their research. Of this total, 98 percent of the vehicles are powered by compressed natural gas. The balance are powered by liquefied natural gas, which is increasing faster than the CNG market by 151 percent for the same period. EIA monitors and provides an annual report on AFV acquisitions. (Source: *Natural Gas Fuels*, May 2002)

Clean Cities Update

Clean Cities Awards The Department of Energy announced its 2002 Clean Cities Awards at the eighth National Clean Cities Conference held in Oklahoma City, Oklahoma, on May 14, 2002. The Clean Cities program, sponsored by DOE, encourages and assists with public-private partnerships dedicated to deploying alternative fuel vehicles and their accompanying infrastructure. National Partner Awards are given to honor those companies, municipal agencies, and individuals who have made a significant contribution towards the advance of alternative fuels in cars and trucks over a long time period. This year's National Partner Awards recipients are:

- SunLine Tranist Agency, Thousand Palms, California
- American Lung Association
- City of Tacoma, Washington

- Dallas County Schools, Texas
- Key Span Energy, New York, New York
- Oklahoma Natural Gas, Oklahoma City, Oklahoma
- ENRG Inc., Seal Beach, California

The AFV Hero Award, an award given annually to an “Individual National Partner,” was presented to Richard Cromwell III, CEO of SunLine Transit Agency. Additionally, eleven of the 80 Clean Cities Coalitions received awards. For more information visit www.ccities.doe.gov (Source: DOE Press release, May 14, 2002)

New Clean Cities Partnerships The Department of Energy has announced the addition of two new Clean Cities partnerships: Central Ohio Clean Fuels Coalition and the Granite State (New Hampshire) Clean Cities Coalition. For more information, refer to the Clean Cities web site at www.ccities.doe.gov.

General Motors debuted the Chevrolet S-10 pick up on May 1, 2002. The S-10 runs on electricity produced by a chemical reaction by oxygen and hydrogen. The hydrogen is acquired from a low-sulfur gasoline that enters a fuel processor, which reforms low-sulfur gasoline through several reactions, then is mixed with water and air and sent through a series of catalysts to separate the hydrogen. When pure hydrogen is used in the vehicle only trace amounts of carbon monoxide and hydrocarbons are emitted. The reformer lets the S-10 get up to 40 miles to the gallon and reduces carbon dioxide by 50 percent. (Source: *Associated Press*, May 2, 2002; *Greenwire*, May 9, 2002)

DaimlerChrysler is expanding its 2003 product line with three new Flexible Fuel Vehicles (FFVs). The new Dodge Stratus Sedans with 2.7-liter 16 valve V-6 DOHC engines, Chrysler Sebring Sedans and Convertibles with 2.7-liter 16 valve V-6 DOHC engines, and Dodge Cargo Minivans with 3.3-liter 16-valve V-6 SOHC engines can be fueled with E85 (85 percent ethanol and 15 percent gasoline), gasoline, or any combination of the two fuels. This year, DaimlerChrysler's FFV minivans have been sold without an added incremental cost; the 2003 additions will also sell for the same price as their conventional gasoline counterparts. (Source: www.ccities.doe.gov/whats_new.shtml, May 2002)

The Internal Revenue Service has announced that purchasers of gasoline-electric hybrid vehicles now qualify for a \$2,000 clean vehicle tax deduction through December 2003. Qualifying vehicles are the Toyota Prius, Honda Insight, and Honda Civic hybrid; the credit will extend to other car manufacturers as they introduce alternative-fuel vehicles. (Source: *Detroit News*, May 21, 2002).

Iogen Energy Corporation, a bioethanol technology company in Ottawa, plans to develop the first commercial-scale biomass-to-ethanol plant as a result of a new pact with Shell Oil Products. Bioethanol is derived from plant fiber in feedstocks such as wood or straw and has up to 90 percent lower carbon dioxide emissions than conventionally produced fuel ethanol from the starch in grains. (Source: *CALSTART News Notes*, May 21, 2002)

Lincoln Composites has successfully tested its TUFFSHELL hydrogen fuel tank at operating pressures of 10,000 pounds per square inch (psi) and burst pressure of 25,000 psi. The tank, to be used in fuel cell vehicles, would provide enough storage capacity to make driving ranges comparable to those of conventional gasoline-powered vehicles. (Source: *CALSTART News Notes*, May 22, 2002)

Ford Motor Co. plans to introduce a V8 turbodiesel engine with 5-speed automatic transmission that increases fuel economy by 10 percent over Ford's current heavy-duty diesel engine. The new engine, available in 2003, will power Ford's F-Series Super Duty pickups and Excursion SUVs. Emissions are expected to drop by 20 percent along with noise and smoke traditionally associated with diesel vehicles. (Source: *Greenwire*, May 28, 2002)

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

AFV Fleet Acquisitions

Houston's Metropolitan Transit Authority is modifying four 40-foot New Flyer city buses with hybrid electric-diesel engines under a new \$1.8 million project including \$1.2 million in Federal air quality funds. The modification is expected to decrease air emissions, save money, reduce noise, and prolong bus life along with saving an estimated \$4.4 million per year. (Source: *Houston Chronicle*, May 23, 2002; *Greenwire*, May 28, 2002)

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PHILADELPHIA REGION

Infrastructure Activities

A compressed natural gas station is now operating in Washington, DC, to support the city's fleet of 165 natural gas buses. The facility is operated by the Department of Public Works and was constructed as a fully automated, full-service station. (Source: *Natural Gas Fuels*, May 2002)

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SEATTLE REGION

New Products and Services

BP has signed a contract with Archer Daniels Midland Co. and other ethanol suppliers to switch ethanol for the gasoline additive MTBE in the State of California by 2003. MTBE is in 11 percent of most gasoline sold in California, in response to a 1990 Federal mandate to use an oxygen-boosting compound to promote cleaner-burning gas for less air pollution. BP sells gasoline at 1,200 Arco stations, and is responsible for 20 percent of the 14.5 billion gallons of gasoline sold in California each year. (Source: *Sacramento Bee*, May 3, 2002; *Greenwire*, May 3, 2002; *EREN Network News*, May 8, 2002)

AFV Fleet Acquisitions

Alameda-Contra Costa Transit District (AC Transit) has signed a contract with ISE Research-Thundervolt, Inc., to build three 40-foot fuel cell buses for delivery in the end of 2004. The AC Transit program includes research from the National Renewable Energy Laboratory and the Institute of Transportation Technology at the University of California-Davis and is fully grant funded. Additionally, AC Transit has contracted for 160 low-emission diesel buses and a Sunline Transit 45-foot fuel cell bus. The district hopes to move to make its bus fleet 15 percent zero emissions by 2008, in compliance with California Resources Board regulations. (Source: *CALSTART News Notes*, May 3, 2002)

33 Caterpillar C-12 engines made by Clean Air Partners with their patented Dual-Fuel engine management systems have been delivered to SYSCO Food Services of Los Angeles. The Dual-Fuel technology permits diesel engines to burn liquefied natural gas, using a 15:85 ratio of diesel to natural gas blend, allowing for cleaner combustion. The C-12 trucks perform like diesel trucks, but with a 50 percent reduction in emissions. (Source: *CALSTART News Notes*, May 8, 2002)

Infrastructure Activities

Pinnacle CNG recently opened a new CNG fueling station at a Southern California Gas Company site in Lancaster in Southern California. Operators of public and private sector vehicles can use the facility. (Source: *Natural Gas Fuels*, May 2002)

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MEETINGS, CONFERENCES, AND TRAINING **WORKSHOPS**

- See also [Attachment C](#), *New Technologies*.
- For additional information on conferences, see also [Attachment D](#), *Calendar of Upcoming Events*.

ATLANTA REGION

No new events of interest to FEMP.

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BOSTON REGION

No new events of interest to FEMP.

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CHICAGO REGION

The International Conference on the Future of Energy Transportation Technologies will be held in Detroit, Michigan, and hosted by Secretary Abraham in the fall of 2002. The conference will focus on transportation research issues; participants will include representatives from nations and companies around the world. The conference is in response to the National Energy Policy's recommendation to promote the development of hydrogen as a primary fuel for cars and trucks in order to reduce American foreign oil consumption. Conference topics will include sessions on energy efficient vehicles, lower emission two wheeler, FreedomCAR, alternative fuels, Urban Form and Traffic Management, and Public Transport. For more information, visit www.energy.gov. (Source: DOE Press Release, May 2, 2002)

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DENVER REGION

The Center for Business Intelligence is sponsoring a conference, Current Challenges in Energy Trading, on June 24-25 in Houston, Texas. Topics include Reshaping the Energy Trading Space, Reducing Exposure to Trading Counterparties, Key Elements of Successful Energy Trading, and Effects of RTO Formation on Traditional Energy Trading Hubs. For more information, see www.cbinet.com.

Enerdynamics is offering a week-long course on energy basics, Energy Essentials Week, on June 24-28 in Houston, Texas. Topics will include Electric System Fundamentals, Electric Business Understanding, and Gas Business Understanding. For more information, go to www.enerdynamics.com/ener.html.

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PHILADELPHIA REGION

The Department of Energy is sponsoring the Building Environment and Thermal Envelope Council Symposia, which is being held in Washington, DC, on June 13 and 14. This year's topic is Rain Penetration and Sound Transmission. For registration details, contact Pat Cichowski at (202) 289-7800 or pcichowski@nibs.org.

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SEATTLE REGION

No new events of interest to FEMP.

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STUDIES, REPORTS, AND ANALYSES

SOLAR AND RENEWABLE ENERGY

Selling Green Power to Non-Residential Customers, Chartwell Inc., 2002.

The survey analyzes the green power marketing initiatives of 50 energy companies. Among other findings, the report indicates that non-residential energy customers account for up to 38 percent of green power sales. To order the report, call (800) 432-5879 or visit www.chartwellinc.com.

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ALTERNATIVE FUELS AND VEHICLES

Well-to-Wheels follow-up study, General Motors, May 2002.

The study, to be published this summer, shows that, under European driving conditions, Fuel Cell Vehicles (FCVs) powered by hydrogen generated using bio-mass or windpower released the lowest overall greenhouse gas emissions. FCVs using hydrogen derived from natural gas, and Internal Combustion Engines (ICEs) fueled by compressed natural gas also performed well. ICEs fueled by compressed hydrogen extracted from natural gas performed worse than some standard gasoline engines.

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UTILITY-RELATED ISSUES

Report on power buyer's reactions to Enron's collapse, RKS Research and Consulting, May 2002.

According to Reuters, a yet-to-be-released report says that 80 percent of companies surveyed think that a repeat of the Enron collapse is possible. A majority of the energy companies said that recent events will not change the way they negotiate contracts with suppliers, yet nearly one third of respondents have already begun to make changes.

***Retail Energy Deregulation Index*, Center for the Advancement of Energy Markets, May 8, 2002.**

According to this report card, Texas has overtaken Pennsylvania as the leader in implementing a competitive energy market. Maine and New York are also given passing scores of 60 percent or more.

***2002 U.S. Regional Transmission Organization Study*, EFI and Xenergy, 2002.**

Deemed by Xenergy's President and CEO to be "the industry encyclopedia of everything RTO," the report provides a detailed assessment of developing RTO markets across the country. Specific components include: market characteristics, development and planning, governance, system operations, transmission and congestion pricing, and energy markets. To order the report, call (703) 641-0613.

***Distributed Generation - Global Market Analysis, Technology Assessment and Outlook*, Allied Business Intelligence, 2002.**

The study analyzes an array of distributed generation including fuel cells, microturbines, and wind turbines, and forecasts their market share through 2011. Also included are summaries on current regulatory practices, tax practices, environmental regulations, affecting distributed generation technologies.

The study also points out that, while small gas turbines and reciprocating engines will dominate the industry in 2005-2006, fuel cells will begin to emerge on a world-wide scale in 2005. Atakan Ozbek, author of the study, said "Now power quality and reliability issues are proving themselves to be crucial.... Our study demonstrates that the need for DG is certain, yet the emerging technology manufacturers and developers and the governments across the globe are two crucial stakeholders that must speed up their rollouts in this decade." For more information on the study, visit www.alliedworld.com or call (516) 624-3113.

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ECONOMIC ANALYSES

Report on EPA's new source review requirements, Electricity Reliability Coordinating Council, May 9, 2002.

According to this lobbying group for utilities, enforcing air pollution regulations instituted by the previous Presidential Administration will drive up electricity costs and reduce rural electric cooperatives' ability to invest.

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MISCELLANEOUS

Courthouse Construction, Information on Courtroom Sharing, General Accounting Office, April 2002.

The General Accounting Office (GAO) was asked by the Subcommittee on Economic Development, Public Buildings and Emergency Management (Committee on Transportation and Infrastructure) to examine the judicial system's actions to have district judges share courtrooms. The study had three elements, including an examination of the impact of courtroom sharing on future courthouse construction. GAO determined that, while courtroom sharing is possible for some senior judges, a significant amount of sharing is not expected to occur. In terms of future courthouse construction projects, GAO noted that the *Five-Year Courthouse Construction Plan (Fiscal Years 2002-2006)*, proposes the construction of 45 new courthouse construction projects. To date, needs assessments have been performed on 33 of the 45 proposed courthouses. To view the report, visit the GAO web site at www.gao.gov.

WorldPower 2002, edited by WorldPower, 2002.

The 176-page annual report includes energy-related articles written by experts at Caminus Corporation, Deloitte and Touche, ICF Consulting, and KPMG. Topics include Energy Market Overview, Technology, Climate Change, and Generation and Transmission. To order the report, visit www.commercialwriting.com/reports.htm or call (303) 369-3533.

National Transmission Grid Study Report and Issue Papers, Department of Energy, 2002.

This recently published report lists ways to improve the nation's electric transmission infrastructure, improve its reliability, and reduce consumer electric costs. It cites over 51 different recommendations including:

- Federal Energy Regulatory Committee should establish eminent domain authority over new transmission line pathways.
- Regional Transmission Organizations (RTO's) should assume responsibility for maintaining power grid reliability and removing transmission bottlenecks.
- The Department of Energy should work with the National Governors Association, regional governors associations, and the National Association of Regulatory Utility Commissioners to remove regulatory barriers to voluntary customer load-reduction programs and targeted energy-efficiency and distributed-generation programs that address transmission bottlenecks and lower costs to consumers.
- Federal legislation should mandate reliability standards.
- DOE should work with FERC, state public utility commissions, and industry to ensure the routine collection of consistent data on the frequency, duration, extent, and costs of reliability and power quality events.
- DOE should work with industry to develop innovative programs that fund transmission-related research and development.
- DOE and the National Laboratories should continue to develop cost-effective technologies that improve the security of and improve the ability to recover from disruptive incidents within the energy infrastructure.
- DOE should create an Office of Electric Transmission and Distribution.

To access the *National Transmission Grid Study Report and Issue Papers*, visit www.ntgs.doe.gov.

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ATTACHMENT A

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

No new hearings of interest have been scheduled.

HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
June 6 - Subcommittee on Oversight and Investigations (Committee on Energy and Commerce) (NEW)	James C. Greenwood (R/PA)	Hearing – DOE's FreedomCAR: Hurdles, Benchmarks for Progress, and Role in Energy Policy	TBA	10:00 a.m. Room 2123 Rayburn Office Building

SENATE – APPROPRIATIONS

There are no hearings of interest to report.

SENATE – AUTHORIZATIONS/OVERSIGHT

There are no hearings of interest to report.

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

There are no activities of interest to report.

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ATTACHMENT B

NEW LEGISLATION OF INTEREST TO FEMP

HOUSE

H.R. 4826	<i>Truth in Electricity Trading Act of 2002</i>	May 22, 2002	Greg Walden (R/OR)	Referred to the Committee on Energy and Commerce
	<p>Amends Part II of the <i>Federal Power Act</i> by adding the following to prohibit round-trip sales of electric power:</p> <p style="padding-left: 40px;">It shall be unlawful for any person or other entity to enter into any contract or other arrangement to purchase from any person or other entity and subsequently sell to such person or entity, or to sell to any person or other entity and subsequently purchase from such person or entity, within any seven-day period the same quantity of electric power at wholesale at the same price.</p>			
H.R. 4843	<i>Amendment to the Internal Revenue Code of 1986</i>	May 23, 2002	Kenny Hulshof (R/MO)	Referred to the Committees on Ways and Means and Agriculture
	<p>Provides that the biodiesel fuels credit determined under Sec. 40A of the Internal Revenue Code of 1986 for the taxable year is an amount equal to the biodiesel mixture credit.</p> <p>Defines biodiesel mixture credit – a credit of any taxpayer for any taxable year is an amount equal to the biodiesel mixture rate (1 cent for each whole percentage point – not to exceed 20 points of biodiesel in the mixture) for each gallon of biodiesel used by the taxpayer in the production of a qualified biodiesel mixture. A “mixture” is a blend of diesel and biodiesel.</p>			

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ATTACHMENT C – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
Performance Plus™ 13-SEER Split System Air Conditioner	Luxaire	Meets EnergyStar™ requirements; cuts energy use by 55 percent compared to air conditioners 10-years-old or older	www.luxaire.com
Axiom™ Line of Vertical Water-Source Heat Pumps	Trane Company	EERs of 12.1 to 15.5 and COP ratings of 4.17 to 5.5	www.trane.com
Mongoose Thruster™ Refrigerant Recovery Pump	PumpWorks Inc.	EPA-certified	www.pumpworks-inc.com
TT300 Oil-Free Compressor	Turbocor	Delivers energy savings of 30 percent and more compared to conventional compressors	www.turbocor.com
USA70 Portable Evaporative Cooler	Champion Cooler Corp.	UL listed	www.championcooler.com
Olympian™ 13-SEER Central Air Conditioner	York International, Unitary Products Group	Increased energy efficiency, which lowers cooling costs	www.yorkupg.com
48/50™ Rooftop Unit	Carrier Corp.	Features high-efficiency belt-drive fan motors and dual high-efficiency scroll compressors and circuits	www.carrier.com
Metalbestos Model CV—Gasketed and Butt-Welded Vent System	Selkirk, Inc.	For high-efficiency gas- and oil-fired equipment	www.selkirkinc.com
Motorized Zone Dampers	Skuttle IAQ Products	Allows varied temperature selection in different zones of a building, achieving energy and cost savings	www.skuttle.com
Hydropak Hydrosaver Booster Package	Armstrong Pumps, Ltd.	Reduces energy consumption by 3 to 30 percent; multiple water pump staging designed to minimize energy consumed	www.armstrongpumps.com
Lighting			
WA-200 Automatic Wall Switch	The Watt Stopper	Achieves “maximum energy savings without false triggers”	www.wattstopper.com
Electronic Dimming	Advance Transformer	Lamp ignition possible at any light setting, making	www.advancetransformer.com/product

Technology	Manufacturer	Manufacturers Claim	Contact
Ballasts	Co.	it unnecessary to ramp up to full light output when starting	ts/electronic/electronic.asp
Dimming Controls for Electronic Fluorescent Ballasts	Hunt Control Systems, Inc.	“Provide linear lighting control from 100 to 1 percent of rated lumen output on T8, T5, and CFL installations”	www.huntdimming.com
Stay Bright Multi-Vapor Lamps	General Electric	“Delivers 22 percent more light over life (mean lumens), the highest maintained lumens of any standard CW/CWA system”	www.gelighting.com/na/pressroom/pr_staybright.html
Crystal-Lux BT15 Lamp	SLI® Lighting Corporation	2500-hour life, 120-volt operation and high lumen maintenance	www.sli-lighting.com
Geoscape Compact Fluorescent Series	ExceLine	UL/CUL listed	www.exceline.com
Floodmax CFL Reflector	MaxLite	Provides long life in hot weather locations; UL listed	www.maxlite.com
Forever Bright LED Based Holiday Lights	Fiber Optic Designs	Uses 80-90 percent less energy than conventional holiday lights, and lasts longer—up to 200,000 hours; UL approved	www.foreverbright.com
Xitanium Line of Drivers for LEDs	Advance Transformer Company	Has a “high degree of energy efficiency”	www.advancetransformer.com
Lumark Impact™ Cut-Off Luminaries	Cooper Lighting	Incorporates a 95 percent semi-specular reflective sheet that provides efficient photometric performance; attains efficiencies exceeding 70 percent; UL and CUL listed	www.cooperlighting.com
Osram Flexlight & Coinlight LED Systems	Osram Sylvania	Displays long life (up to 100,000 hours) and low energy consumption	www.sylvania.com
Table Lamps	Maxlite	EnergyStar™ certified	www.maxlite.com
Garden Light	Maxlite	EnergyStar™ certified	www.maxlite.com
Mark VII® 0-10V Dimming Ballasts for T5/HO Lamps	Advance Transformer Company	Results in power consumption reductions and lower heat emissions to reduce cooling needs	www.advancetransformer.com
HYZOD GP Prismatic P12 Polycarbonate Sheet	Sheffield Plastics, Inc.	UL® 94 V2 ratings for gauges .125” in thickness or greater	www.sheffieldplastics.com

Technology	Manufacturer	Manufacturers Claim	Contact
ENERGY MANAGEMENT SYSTEMS			
MicroWATT Lighting Automation	Lutron	Provides load shedding for peak demand reduction	www.lutron.com
PocketAGI Lighting Estimator for PDAs	Lighting Analysts	Allows accurate interior estimates for commercial or industrial lighting projects remotely	www.agi32.com/index.htm
DATapro	Dent Instruments	Monitors, stores, and analyzes data from a variety of sensors	www.dentinstruments.com
Logic One® Executive Control System	Novar Controls	“Allows users to connect a Web browser, PC, laptop, PDA, or cell phone to their network's executive controller, and control a building's environment”	www.novarcontrols.com
Medallion Series of Programmable Controls	PSG Controls, Inc.	Dial-up programming of various modes throughout the day	www.psgcontrols.com/index.cfm
Harmony™ Sequencer for 1.5 to 2 million Btuh Power-Fin® Line	Lochinvar Corp.	“Controls and sequences up to 12 Power-Fins with three modes of rotation”	www.lochinvar.com
Audit 7.01 Operating Costs Software	Elite Software	Calculates HVAC operating costs; compares different types of HVAC systems; demonstrates savings of high-efficiency equipment	www.elitesoft.com
Version 2.0 of FlukeView® Forms Software	Fluke Corp.	Provides graphic display of readings from up to eight meters for comparison and analysis	www.fluke.com
Global Device Service	emWare	Collects, analyzes, and manages HVACR or other device information from various locations	www.emstore.com
DirectSense IAQ PPC	GrayWolf Sensing Solutions	Collects data on carbon dioxide, carbon monoxide, temperature, and airspeed	www.wolfsense.com
IAQ Manager™ 2002 Software	Environmental Support Solutions	“Helps facility managers better match occupants’ symptoms with particular building zones, in both single- and multiple-level edifices”	www.environ.com
Dran-View 5.0 Power Quality, Harmonics, and Energy Software	Dranetz-BMI	Allows viewing of timeline and waveform data, disturbances, trend data; user can generate statistics and perform analysis	www.dranetz-bmi.com
Powerlogic Power Server	Square D	Provides local monitoring through a self-contained server	www.powerlogic.com/products.cfm?id=38
Lennox	L Connection Network	Reduces energy costs, improves energy efficiency, and adapts to the various building control needs	www.lennoxcommercial.com/lcn.asp

Technology	Manufacturer	Manufacturers Claim	Contact
WattNode Plus Digital Power Meter for LonWorks	Continental Control Systems	“Real-time delivery of electric power consumption and power quality data over existing electric power wiring”	www.ccontrols.com/LonWN2/index.htm
Metercat Software for ABB A3 Alpha Meter	ABB Inc.	Runs on all 32-bit Windows platforms	www.abb.com
APC's Enterprise Manager v3.0	APC	Increases efficiency by providing real-time enterprise-level management	www.apc.com/products/index.cfm
Ultra-Trak 750 Ultrasonic Monitor	UE Systems, Inc.	Monitors ultrasounds produced by operating equipment to detect changes in sound levels in real time for trending or alarm purposes	www.uesystems.com
Miura On-line Maintenance (MOM) system	Miura Boiler West, Inc.	Diagnoses boilers' maintenance needs from information on tube, water, flue gas, and ambient temperature, as well as scale monitor, psi, flame signal, and valve data	www.miuraboiler.com
Series 59 Temperature Controller	Fenwal	Microprocessor-based	www.fenwalcontrols.com
Model 8564 Digital Humidity/Temperature Meter	Kernco Instruments Co., Inc.	Gives direct reading of temperatures from 0 degrees to 60 degrees C on a 0.5 in. LCD	www.kerncoinstr.com/product.htm
Temperature Sensor	Advanced Thermal Products, Inc.	Compatible with all principal energy management systems	www.atpsensor.com
Flat Panel LCD Temperature/Humidity Recorder	Dickson Monitoring Solutions	Features a graph of data ranging from one hour to 32 days	www.dicksonweb.com
TX6000 Hybrid Transmitters for Datamatic's FIREFLY® Meter Interface Units (MIU)	RF Monolithics, Inc.	Intended for short-range wireless data applications in which low power consumption is required	www.rfm.com
Model 380974 Clamp Meter/Phase Rotation Tester	Extech Instruments Corp.	Measures ac current with a 1.2 percent basic vac accuracy; measures resistance and capacitance; includes diode and continuity testing	www.extech.com

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ATTACHMENT D

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

No events of interest to FEMP.

BOSTON REGION

DATE	EVENT	SPONSOR
June 2-4, 2002	EEI Annual Convention/Expo Boston, MA	Edison Electric Institute
July 24-26, 2002	Fundamentals of Buying and Selling Energy Boston, MA	Association of Energy Engineers

CHICAGO REGION

DATE	EVENT	SPONSOR
June 23-25, 2002	95 th Annual Convention and Office Building Show Chicago, IL	Building Owners and Manufacturers Association
June 25-26, 2002	Distributed Energy Resources Workshop Chicago, IL	FEMP
June 27-28, 2002	The Business Case for Cogeneration Chicago, IL	Center for Business Intelligence
July 22-25, 2002	FedFleet 2002 Kansas City, MO	Federal Fleet Policy Council and GSA
Fall 2002	International Conference on the Future of Energy Transportation Technologies Detroit, MI	Department of Energy

DENVER REGION

DATE	EVENT	SPONSOR
June 24-28, 2002	Current Challenges in Energy Trading Houston, TX	Center for Business Intelligence
June 24-28, 2002	Energy Essentials Week Houston, TX	Enerdynamics
July 29-August 1, 2002	2002 State Energy Program/Rebuild America National Conference New Orleans, LA	Department of Energy
August 1-2, 2002	American Public Power Association Utility Education Course: Restructuring/Competition Update: Lessons Learned from California Snowmass/Aspen, CO	American Public Power Association
November 13-15, 2002	Green Building International Conference and Exposition Austin, TX	U.S. Green Building Council

PHILADELPHIA REGION

Date	Event	Sponsor
June 13-14, 2002	Building Environment and Thermal Envelope Council Symposia Washington, DC	Department of Energy
June 24-25, 2002	Strategic Energy Management USA Philadelphia, PA	Eye for Energy
July 15-19, 2002	Comprehensive Five-Day Training Program for Energy Managers Valley Forge, PA	Association of Energy Engineers
September 27-October 5, 2002	Solar Decathlon Village Washington, DC	Department of Energy

SEATTLE REGION

DATE	EVENT	SPONSOR
June 2-5, 2002	Energy 2002 Palm Springs, CA	Federal Energy Management Project
June 6-7, 2002	West Coast Energy Management Congress Anaheim, CA	Association of Energy Engineers
June 15-20, 2002	Solar 2002 Reno, NV	American Solar Energy Society
June 17-21, 2002	Comprehensive Five-Day Training Program for Energy Managers San Francisco, CA	Association of Energy Engineers

DATE	EVENT	SPONSOR
June 22-26, 2002	2002 Annual Meeting Honolulu, HI	American Society of Heating, Refrigeration, and Air- Conditioning Engineers
June 30-July 5, 2002	Ninth International Conference on Indoor Air Quality and Climate Monterey, CA	International Academy of Indoor Air Sciences
August 18-23, 2002	Teaming for Efficiency Pacific Grove, CA	American Council for an Energy Efficient Economy

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